

WHAT IS CLAIMED IS:

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1. A method of disinfecting a contact lens comprising the steps of:

preparing a disinfecting liquid which contains water-dispersible fine particles of a titanium oxide dispersed in an aqueous medium;

immersing said contact lens in said disinfecting liquid; and  
irradiating said disinfecting liquid in which said contact lens is immersed, with a light.

2. A method according to claim 1, wherein said fine particles of the titanium oxide have an average particle size of not larger than 15 nm.

3. A method according to claim 1, wherein said fine particles of the titanium oxide are contained in said disinfecting liquid in a concentration of 1~100 ppm.

4. A method according to claim 1, wherein said disinfecting liquid further contains sodium chloride.

5. A method according to claim 4, wherein said sodium chloride is contained in said disinfecting liquid in a concentration which is held in a range of 0.7~1.2 wt.%.

6. A method according to claim 1, wherein said

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disinfecting liquid further contains at least one of a chelating agent, a buffer, a surface active agent, a thickener, a preservative, a germicide and an oxidizing agent.

7. A method according to claim 6, wherein said oxidizing agent is a hydrogen peroxide.

8. A method according to claim 7, wherein said hydrogen peroxide is contained in said disinfecting liquid in a concentration which is held in a range of 10~300 ppm.

9. A method according to claim 6, wherein said disinfecting liquid further contains at least one metal ion, together with said oxidizing agent.

10. A method according to claim 1, wherein said light is selected from the group consisting of a natural light, an ultraviolet light, a visible light, a light emitted from an incandescent lamp, and a light emitted from a fluorescent lamp.

11. A method according to claim 1, wherein said disinfecting liquid is irradiated with said light having a wavelength of 320~410 nm.

12. A method according to claim 11, wherein said light has an intensity in a range of 0.1~50 mW/cm<sup>2</sup> at a wavelength of about 365 nm.

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13. A contact lens disinfecting liquid which exhibits a disinfecting effect with respect to a contact lens by being irradiated with a light, wherein the improvement comprises:

said contact lens disinfecting liquid containing water-dispersible fine particles of a titanium oxide which are dispersed in an aqueous medium.

14. A contact lens disinfecting liquid according to claim 13, wherein said fine particles of the titanium oxide have an average particle size of not larger than 15 nm.

15. A contact lens disinfecting liquid according to claim 13, wherein said fine particles of the titanium oxide are contained in said contact lens disinfecting liquid in a concentration of 1~100 ppm.

16. A contact lens disinfecting liquid according to claim 13, further containing sodium chloride.

17. A contact lens disinfecting liquid according to claim 13, further containing an oxidizing agent.

18. A contact lens disinfecting liquid according to claim 17, wherein said oxidizing agent is a hydrogen peroxide.

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19. A contact lens disinfecting liquid according to claim 17, further containing at least one metal ion.

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